

# Johnston County Pilot Project

- Safety Edge Angle



The photos above demonstrate final 30 degree angle we have been seeing on the Pilot Project sites. We have seen angles as low as 26 degrees.

Photos from March 24, 2011. Map 2 – SR 1921 (0.64 miles). 1.5" Lift, Warm Mix. Shoe – NCDOT Prototype 1. Notice the final angle taken with Droid X Angle Finder App.

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- Safety Edge Angle



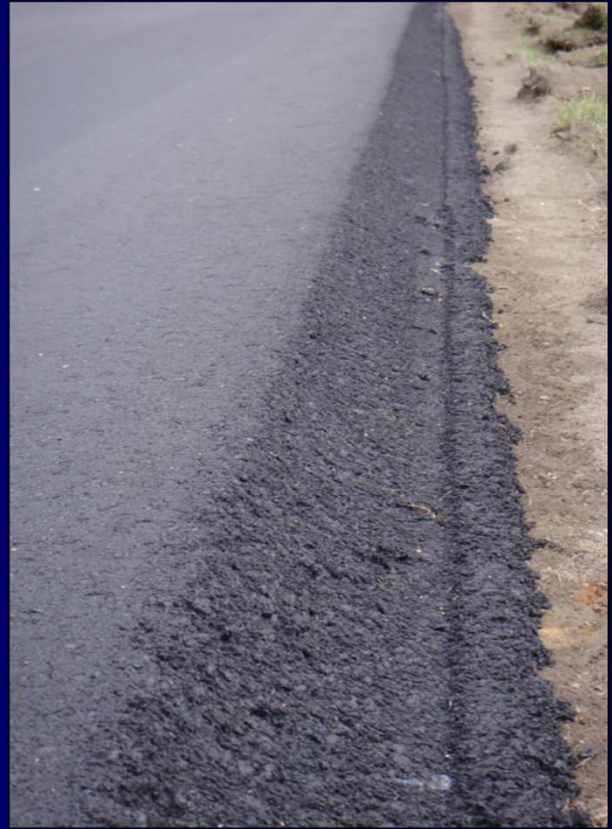
The photo above demonstrates why we may be getting angles lower than 30 degrees. This is a warm mix site and the left side of the photo has been rolled, the right side has not. Notice that the rolled side has slightly flattened out resulting in a lower final angle.

Photo from March 29, 2011. Map 8 – SR 1345 (0.75 miles). 1.5" Lift, Warm Mix. Shoe – NCDOT Prototype 2.



# Johnston County Pilot Project

- Safety Edge Angle - Edge Rollover



The photos above show the difference that may be seen between final angles on hot mix versus warm mix. The photo on the left is hot mix, and after being rolled the edge shape has some minor roll up on the top of the safety edge shape (may result in an angle above 30 degrees). The photo on the right is warm mix, and after being rolled the edge appears to flatten out (as shown in the previous slide).

Left - Photo from March 21, 2011. Map 5 – SR 1354 (1.61 miles). 1.5" Lift, Hot Mix. Shoe – NCDOT Prototype 1.

Right - Photo from March 24, 2011. Map 2 – SR 1921 (0.64 miles). 1.5" Lift, Warm Mix. Shoe – NCDOT Prototype 1.